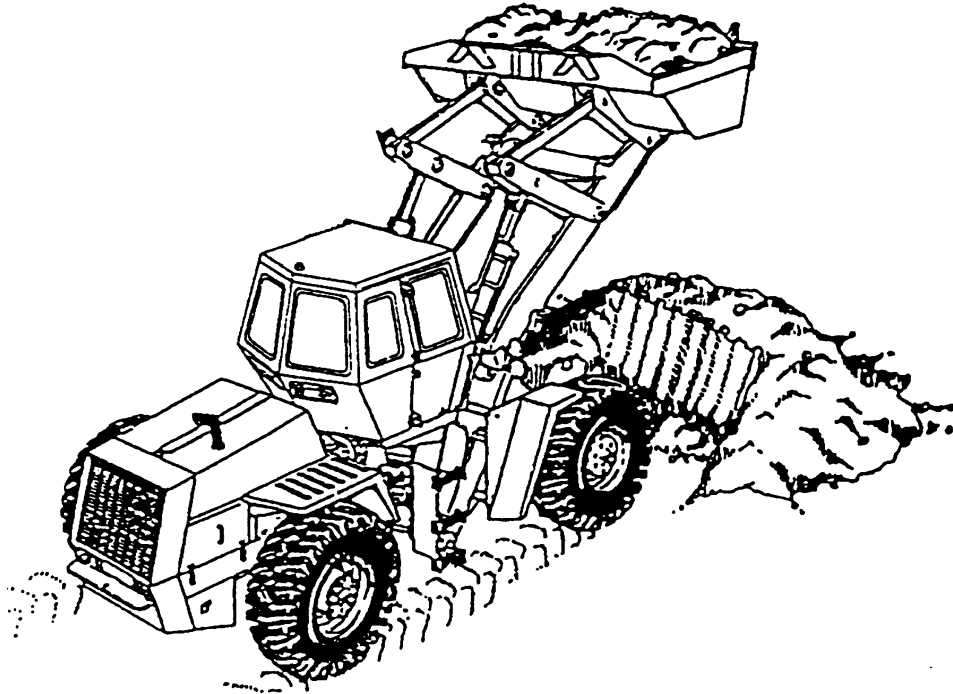# CLK 5YD

SYSTEM IDENTIFIERS	
NOMENCLATURE:	Loader, Scoop Type, Diesel Engine Driven, 5 Cubic Yard, General Purpose (GP) Bucket
SSN:	N/A
LIN:	L76321
NSN:	3805-01-052-9043
AMIM NO:	N/A
EIC:	EFS
FUEL TYPE:	DIESEL

SYSTEM DESCRIPTION
The Clark (CLK) 5 Yard scoop loader performs horizontal and vertical construction tasks. The scoop loader has four wheel drive with rear axle oscillation and articulated frame steering. The hydraulically operated scoop bucket is attached to the front of the loader by a push frame and lift arms. Loaders are usually equipped with a one piece general purpose bucket, a rock bucket or multipurpose (hinged jaw) bucket.

There are no separately authorized components identified with this weapon/materiel system.

CLK 5YD

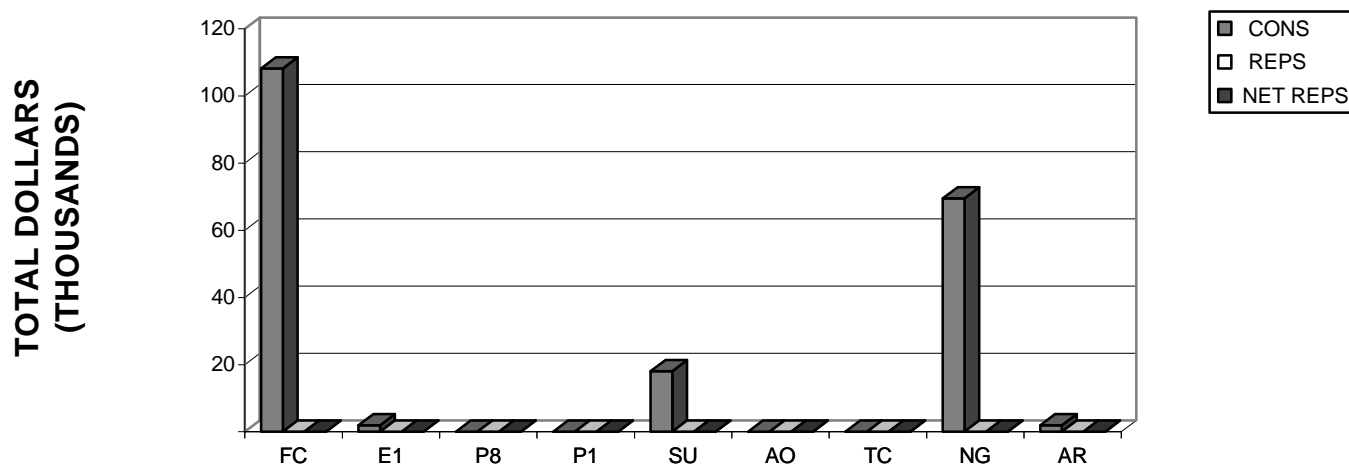| **LIN**	**NSN**	**NOMENCLATURE**

This summary provides an overview of FY 94 Total Army operating and support costs and other information for the weapon system. Average cost per system is displayed so the data can be used in performing analyses and cost studies. Average costs are calculated using the end item's density. NET REPARABLES represent the cost with the Major Subordinate Command (MSC) specific credit rates applied (detailed in Section 1 - Overview).

CLK 5YD
FY 94 TOTAL ARMY COST SUMMARY
(FY 94 Constant Dollars)

DENSITY

NUMBER OF SYSTEMS	121

DEPOT END ITEM MAINTENANCE (5.061)

TOTAL	$0
QUANTITY COMPLETED	0
AVG COST/END ITEM	$0.00

CLASS III-POL (5.05)

NOT AVAILABLE

DEPOT SECONDARY ITEM MAINTENANCE

TOTAL	$0
QUANTITY COMPLETED	0
AVG COST/SECONDARY ITEM	$0.00

CLASS V-AMMUNITION (2.11)

NOT APPLICABLE

INTERMEDIATE MAINTENANCE

	DS/GS	CIVILIAN
MIL/CIV LABOR COST	$20,530	$816
AVG COST/SYSTEM	$169.67	$6.74
MAINTENANCE MANHOURS	1,236	59
MMHs/SYSTEM	10.21	0.49

CLASS IX MATERIEL-PARTS (5.04/5.03)

	FY 94 DOLLARS	AVG COST PER SYSTEM
CONSUMABLES	$199,546	$1,649.14
NET REPARABLES	$0	$0.00
NET TOTAL COSTS	$199,546	$1,649.14

The following graph and table display FY 94 Class IX costs for consumables (CONS), reparables, (REPS), and net reparables (NET REPS) by MACOM. CONS and REPS are the total costs of requisitions recorded in the Logistic Intelligence File (LIF). NET REPS are the cost to the customer in the field and are calculated by applying an MSC-specific credit rate at the NSN level. TOTAL ARMY (TA) costs are the summation of costs across all MACOMs in the table. NET TOTAL COSTS are the sums of the costs of CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System - Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS by the number of systems for each MACOM.

CLK 5YD

CLK 5YD FY 94 MACOM CLASS IX COSTS							
MACOM				NET	NET TOTAL	NUMBER OF	AVG PER
CODE	NAME	CONS	REPS	REPS	COSTS	SYSTEMS	SYSTEM
FC	FORSCOM	108,163	0	0	108,163	8	13,520
E1	USAREUR	1,919	0	0	1,919	1	1,919
P8	EUSA	0	0	0	0	0	0
P1	USARPAC	0	0	0	0	0	0
SU	USARSO	18,056	0	0	18,056	1	18,056
AO	USASOC	0	0	0	0	0	0
TC	TRADOC	0	0	0	0	0	0
NG	ARNG	69,435	0	0	69,435	72	964
AR	USAR	1,973	0	0	1,973	39	51
TA	TOTAL ARMY	199,546	0	0	199,546	121	1,649

The following graph and table display FY 90-94 Class IX costs for consumables (CONS), reparables (REPS) and net reparables (NET REPS) by Total Army. The Total Army costs are a summation of all the MACOMs displayed on the previous page. CONS and REPS are the total cost of requisitions recorded in the Logistic intelligence File (LIF). NET REPS are the cost to the customer in the field and are calculated by applying an MSC-specific credit rate at the NSN level. NET TOTAL COSTS are the sums of the costs of CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System - Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS by the number of systems in the Total Army for the fiscal year. Blank rows indicate system was not tracked in the OSMIS database during that
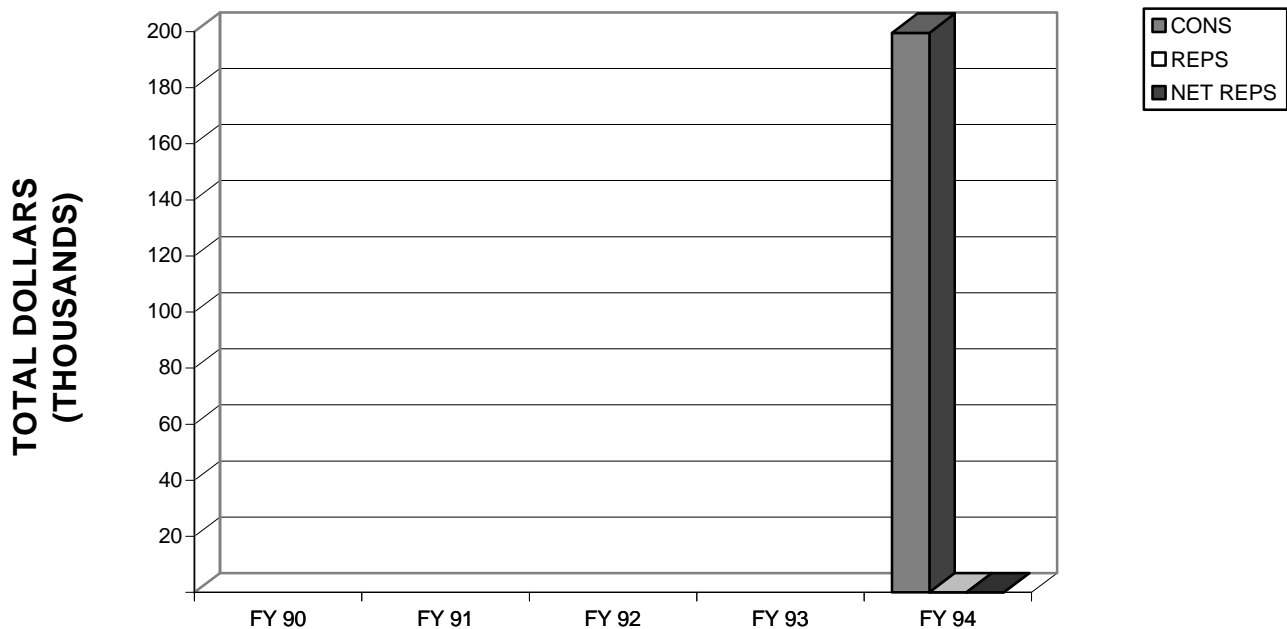
CLK 5YD

FISCAL YEAR	CONS	REPS	NET REPS	NET TOTAL COSTS	NUMBER OF SYSTEMS	AVG PER SYSTEM
FY 90						
FY 91						
FY 92						
FY 93						
FY 94	199,546	0	0	199,546	121	1,649

CLK 5YD
FIVE YEAR TOTAL ARMY CLASS IX COSTS

The Total Army Class IX costs from the previous pages are broken out by Work Breakdown Structure (WBS) in the following table. The FY 94 WBS Class IX costs for consumables (CONS) and reparables (REPS) are the total cost of requisitions recorded in the Logistic Intelligence File (LIF). The NET REPS are the cost to the customer in the field and are calculated by applying an MSC-specific credit rate at the NSN level. The TOTAL costs are a summation of all the WBS elements displayed in the table. NET TOTAL COSTS are the sum of the costs in CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System-Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS column by the total number of systems in the Army.

CLK 5YD FY 94 TOTAL ARMY WORK BREAKDOWN STRUCTURE COSTS							
WBS	NAME	CONS	REPS	NET REPS	NET TOTAL COSTS	NUM OF SYSTEMS	AVG PER SYSTEM
01	HULL/FRAME	17,110	0	0	17,110	121	141
02	SUSPENSION/STEER	42,197	0	0	42,197	121	349
03	POWER PACKAGE	125,356	0	0	125,356	121	1,036
04	AUX AUTOMOTIVE	859	0	0	859	121	7
05	TURRET ASSEMBLY	0	0	0	0	0	0
06	FIRE CONTROL	0	0	0	0	0	0
07	ARMAMENT	0	0	0	0	0	0
08	BODY/CAB	0	0	0	0	0	0
09	AUTO LOADING	0	0	0	0	0	0
10	AUTO/REMOTE PILOT	0	0	0	0	0	0
11	NBC EQUIPMENT	0	0	0	0	0	0
12	SPECIAL EQUIPMENT	6,199	0	0	6,199	121	51
13	NAVIGATION	0	0	0	0	0	0
14	COMMUNICATIONS	0	0	0	0	0	0
15	VEH APP SOFTWARE	0	0	0	0	0	0
16	VEH SYS SOFTWARE	0	0	0	0	0	0
17	INT, ASSY, TEST, C/O	0	0	0	0	0	0
18	OTHER	7,825	0	0	7,825	121	65
	TOTAL	199,546	0	0	199,546	121	1,649

The following table displays FY 90-94 Class IX costs by Work Breakdown Structure (WBS) for the Total Army. NET TOTAL COSTS are summation for all the WBS elements displayed on the previous page and are a sum of the costs of CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System-Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS by the total number of systems in the Army for the fiscal year. Blank columns indicate system was not tracked in the OSMIS database during that fiscal year.

	CLK 5YD FIVE YEAR TOTAL ARMY WORK BREAKDOWN STRUCTURE COSTS					
WBS	NAME	FY 90 NET TOTAL COSTS	FY 91 NET TOTAL COSTS	FY 92 NET TOTAL COSTS	FY 93 NET TOTAL COSTS	FY 94 NET TOTAL COSTS
01	HULL/FRAME					17,110
02	SUSPENSION/STEER					42,197
03	POWER PACK					125,356
04	AUX AUTOMOTIVE					859
05	TURRET ASSEMBLY					0
06	FIRE CONTROL					0
07	ARMAMENT					0
08	BODY/CAB					0
09	AUTO LOADING					0
10	AUTO/REMOTE PILOT					0
11	NBC EQUIPMENT					0
12	SPECIAL EQUIPMENT					6,199
13	NAVIGATION					0
14	COMMUNICATIONS					0
15	VEH APP SOFTWARE					0
16	VEH SYS SOFTWARE					0
17	INT, ASSY, TEST, C/O					0
18	OTHER					7,825
	TOTAL					199,546
	NUM OF SYSTEMS					121
	AVG PER SYSTEM					1,649

CLK 5YD
TOP 40 COST DRIVERS
CLASS IX CONSUMABLES (NON-DLRs)

	NSN	NOMENCLATURE	WBS	MRC	ARI	MATCAT	FY 94 AMDF UNIT PRICE	FY 94 QTY
1.	2815010631532	ENGINE,DIESEL	03A	H		K21IC	32,730.00	2.00
2.	2610010769414	TIRE,PNEUMATIC	02A	O		K21PP	1,685.00	25.04
3.	3040010591508	CYLINDER ASSEMBLY,A	03K	Z		J2200	10,911.72	1.00
4.	2530004336884	MASTER CYLINDER POW	03Q	Z		J2200	362.65	26.30
5.	6140010725608	BATTERY,STORAGE	18	F		Q2100	57.17	120.39
6.	2530013526080	SPIDER,BRAKE	03Q	H		J2200	858.88	8.00
7.	2530012891714	BRAKE,SHOE TYPE	03Q	H		J2100	635.57	8.00
8.	2920011023520	STARTER,ENGINE,ELEC	03A	Z		J2200	537.59	6.75
9.	3805012423930	PARTS KIT,BUCKET LE	12E	Z		J2200	1,186.83	2.50
10.	4820004316353	VALVE ASSEMBLY	01A	F		J2100	3,303.57	0.83
11.	2520010607122	COOLER,FLUID,TRANSM	03H	Z		J2200	2,710.92	1.00
12.	2940010643916	FILTER ELEMENT,INTA	03A	B		J2200	104.72	24.63
13.	2530003499100	COMPRESSOR,RECIPROC	03Q	F		J2100	690.66	3.30
14.	3815012821759	SHANK-TOOTH,SURFACE	12E	Z		J2200	276.09	7.00
15.	2530010617380	CYLINDER ASSEMBLY,H	03Q	Z		J2200	176.60	10.60
16.	2520012218888	PARTS KIT,LINEAR AC	03H	Z		J2200	144.33	12.33
17.	4810010615592	VALVE,REGULATING,FL	01A	H		J2100	863.00	1.69
18.	2540012849208	LADDER,VEHICLE BOAR	01H	Z		J2200	656.77	2.00
19.	3805004270528	TIP,TOOTH	12E	Z		J2200	59.05	22.00
20.	2530008481650	CYLINDER ASSEMBLY,H	03Q	Z		J2200	496.17	2.40
21.	2940010610763	FILTER ELEMENT,INTA	03A	B		J2200	59.10	19.33
22.	2940008910748	FILTER ELEMENT,FLUI	03A	Z		J2200	29.34	38.00
23.	2510012181879	PANEL,ENGINE COMPAR	01A	Z		J2200	130.09	8.17
24.	5330010307574	GASKET SET	01A	Z		T2200	310.71	3.41
25.	2920002317270	GENERATOR,ENGINE AC	03A	F		J2100	714.13	1.19
26.	2530012433553	PARTS KIT,HYDRAULIC	03Q	Z		J2200	237.99	3.00
27.	2510012183525	PANEL,BODY,VEHICULA	01A	Z		J2200	178.20	3.60
28.	5330002328635	PACKING,PREFORMED	01A	Z		T2200	37.99	16.30
29.	4820011204532	VALVE,BLEEDER,HYDRA	01A	Z		J2200	49.65	12.38
30.	2940010614933	FILTER ELEMENT,FLUI	03A	Z		J2200	15.10	39.50
31.	5365013558730	SPACER,PLATE	01A	Z		T2200	70.57	8.00
32.	2520010607159	PROPELLER SHAFT	03K	Z		J2200	489.91	1.00
33.	4320012415552	PARTS KIT,SEAL REPL	18	Z		J2200	488.62	1.00
34.	6620002698493	GAGE,PRESSURE,OIL L	03E	Z		J2200	76.44	6.33
35.	2920010608770	SWITCH,LOCK,IGNITIO	03A	Z		J2200	35.81	12.67
36.	6220008481561	HEADLIGHT	01A	Z		E2200	26.90	16.56
37.	2540011924707	CUSHION,SEAT BACK,V	01H	Z		J2200	115.35	3.71
38.	5365013234000	SPACER,RING	01A	Z		T2200	46.11	8.30
39.	2910004707075	FILTER ELEMENT,FLUI	03A	Z		J2200	6.70	53.83
40.	4720002481231	HOSE,RUBBER	01A	Z		J2200	3.39	105.25

NUMBER OF SYSTEMS	121

NOTE: ROWS MAY NOT CALCULATE DUE TO ROUNDING

EXTENDED COST (QTY * UNIT PRICE)	AVERAGE COST PER SYSTEM	AVERAGE QUANTITY PER 100 SYSTEMS	FY 90-94 FIVE YEAR AVERAGE	
			QTY	EXTENDED COST
65,460	540.99	1.6529		
42,192	348.69	20.6942		
10,912	90.18	0.8264		
9,538	78.83	21.7355		
6,883	56.88	99.4959		
6,871	56.79	6.6116		
5,084	42.02	6.6116		
3,629	29.99	5.5785		
2,967	24.52	2.0661		
2,742	22.66	0.6860		
2,711	22.40	0.8264		
2,579	21.31	20.3554		
2,279	18.83	2.7273		
1,933	15.98	5.7851		
1,872	15.47	8.7603		
1,780	14.71	10.1901		
1,458	12.05	1.3967		
1,314	10.86	1.6529		
1,299	10.74	18.1818		
1,191	9.84	1.9835		
1,142	9.44	15.9752		
1,114	9.21	31.4050		
1,063	8.79	6.7521		
1,059	8.75	2.8182		
850	7.02	0.9835		
714	5.90	2.4793		
641	5.30	2.9752		
619	5.12	13.4711		
615	5.08	10.2314		
595	4.92	32.6446		
565	4.67	6.6116		
490	4.05	0.8264		
489	4.04	0.8264		
484	4.00	5.2314		
454	3.75	10.4711		
446	3.69	13.6860		
428	3.54	3.0661		
382	3.16	6.8595		
362	2.99	44.4876		
357	2.95	86.9835		

187,563	94.0%	TOP 40	
11,983	6.0%	OTHERS	
============			
199,546			

CLK 5YD
COST DRIVERS
CLASS IX REPARABLES (DLRs)

NSN	NOMENCLATURE	WBS	MRC	ARI	MATCAT	FY 94 AMDF UNIT PRICE		FY 94 QTY
						W/O CREDIT	W/CREDIT	

NO DATA

EXTENDED COST (W/CREDIT) (QTY * UNIT PRICE)	AVERAGE COST (W/CREDIT) PER SYSTEM	AVERAGE QUANTITY PER 100 SYSTEMS	FY 90-94 FIVE YEAR AVERAGE QTY	EXTENDED COST (W/CREDIT)

NO DATA

The following table summarizes FY 94 Depot Maintenance Costs from the Master File Maintenance (MFM). Depot maintenance costs are displayed by cost elements for end item maintenance and secondary item maintenance. The OTHER cost columns represent work categories such as progressive maintenance, renovation, and fabrication/manufacture. For reporting purposes, TRANSPORTATION costs recorded in the World Aircraft Logistics Conference (WALC)/Special Aircraft Assignment Mission (SAAM) records are shown in the OTHER maintenance category.

COST ELEMENTS	END ITEM MAINTENANCE				SECONDARY ITEM MAINTENANCE		
	REPAIR	OVERHAUL	OTHER	MODIFICATION	REPAIR	OVERHAUL	OTHER
CIVILIAN LABOR	0	0	0	0	0	0	0
MILITARY LABOR	0	0	0	0	0	0	0
MATERIEL	0	0	0	0	0	0	0
TRANSPORTATION	0	0	0	0			
OVERHEAD	0	0	0	0	0	0	0
CONTRACT	0	0	0	0	0	0	0
OTHER	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0
QTY COMPLETED	0	0	0	0	0	0	0
AVG COST	0	0	0	0	0	0	0

CLK 5YD FY 94 DEPOT MAINTENANCE COSTS

The table below summarizes FY 94 Intermediate Maintenance Costs from the Work Order Logistics File (WOLF) data. The labor hours and labor costs for Direct Support/General Support Intermediate Maintenance (DS/GS) and Civilian Maintenance are displayed by MACOM and Total Army. MACOM DS/GS LABOR COSTS are calculated by multiplying MACOM labor hours by the Army Manpower Cost System (AMCOS) E-5 composite standard rate ($16.61). CIVILIAN LABOR COSTS are a summation from the source data.

CLK 5YD FY 94 INTERMEDIATE MAINTENANCE COSTS

MACOM	DS/GS LABOR HOURS	DS/GS LABOR COSTS	CIVILIAN LABOR HOURS[*]	CIVILIAN LABOR COSTS[*]	CIVILIAN LABOR COST/HOUR
FORSCOM	3	50	59	816	13.83
USAREUR	0	0			
EUSA	0	0			
USARPAC	0	0			
USARSO	0	0			
USASOC	0	0			
TRADOC	0	0	0	0	0.00
ARNG	1,096	18,205			
USAR	137	2,276			
TOTAL ARMY	1,236	20,530	59	816	13.83

*TRADOC LABOR HOURS and LABOR COSTS include contractor hours and costs.

The following table summarizes FY 90-94 Depot Maintenance Costs. The depot maintenance data are recorded in MFM. FY 94 costs are a summation of the cost elements displayed on the previous page. END ITEM OVERHEAD costs were not separately identified prior to FY 92. TRANSPORTATION costs are recorded in the WALC/SAAM records. Blank columns indicate system was not tracked in the OSMIS database during that fiscal year.

COST ELEMENTS	END ITEM MAINTENANCE					SECONDARY ITEM MAINTENANCE				
	FY 90	FY 91	FY 92	FY 93	FY 94	FY 90	FY 91	FY 92	FY 93	FY 94
CIVILIAN LABOR					0					0
MILITARY LABOR					0					0
MATERIEL					0					0
TRANSPORTATION					0					
OVERHEAD					0					0
CONTRACT					0					0
OTHER					0					0
TOTAL					0					0
QTY COMPLETED					0					0
AVG COST					0					0

CLK 5YD
FIVE YEAR DEPOT MAINTENANCE COSTS

The table below sumarizes FY 90-94 Intermediate Maintenance Costs from WOLF. The fiscal year total costs for Direct/General Support Intermediate Maintenance (DS/GS) and Civilian Maintenance are displayed by MACOM and Total Army. MACOM DS/GS labor costs are calculated by multiplying MACOM labor hours by the Army Manpower Cost System (AMCOS) E-5 composite standard rate. DS/GS COST PER HR is the E-5 composite standard rate in FY 94 constant dollars. CIVILIAN LABOR COSTS are a summation from the source data. Blank columns indicate system was not tracked in the OSMIS database during that fiscal year.

CLK 5YD
FIVE YEAR INTERMEDIATE MAINTENANCE COSTS

MACOM	DIRECT/GENERAL SUPPORT INTERMEDIATE MAINTENANCE (DS/GS)					CIVILIAN MAINTENANCE (CIV)				
	FY 90	FY 91	FY 92	FY 93	FY 94	FY 90	FY 91	FY 92	FY 93	FY 94
FORSCOM					50					816
USAREUR					0					
EUSA					0					
USARPAC					0					
USARSO					0					
USASOC					0					
TRADOC					0					0
ARNG					18,205					
USAR					2,276					
TOTAL ARMY					20,530					816
LABOR HRS					1,236					59
COST PER HR					16.61					13.83

The following list shows the FY 94 Secondary Item - Rebuilds/Overhauls Cost Drivers recorded in the MFM. AVG COST TO REBUILD/OVERHAUL is calculated by dividing the costs in FY 94 TOTAL COST TO REBUILD/OVERHAUL by FY 94 QTY COMPLETED.

		FY 94 AMDF PRICE	FY 94 TOTAL COST TO REBUILD/ OVERHAUL	FY 94 QTY COMPLETED	AVG COST TO REBUILD/ OVERHAUL
CLK 5YD					
FY 94 DEPOT SECONDARY ITEM MAINTENANCE - REBUILDS/OVERHAULS COST DRIVERS					
NSN	NOMENCLATURE				
			NO DATA AVAILABLE		

The following list shows the FY 94 Secondary Item Maintenance - Repairs Cost Drivers recorded in MFM. AVG COST TO REPAIR is calculated by dividing the costs in FY 94 TOTAL COST TO REPAIR by FY 94 QTY COMPLETED.

		FY 94 AMDF PRICE	FY 94 TOTAL COST TO REPAIR	FY 94 QTY COMPLETED	AVG COST TO REPAIR
CLK 5YD					
FY 94 DEPOT SECONDARY ITEM MAINTENANCE - REPAIRS COST DRIVERS					
NSN	NOMENCLATURE				
			NO DATA AVAILABLE		

The following list shows the FY 90-94 Secondary Item - Rebuild/Overhauls Cost Drivers recorded in MFM. These five year Cost Drivers were revised from previous years' reports, see Appendix A, Section 13 for further explanation. AVG COST TO REBUILD/OVERHAUL is calculated by dividing the costs in FY 90-94 TOTAL COST TO REBUILD/OVERHAUL by FY 90 -94 QTY COMPLETED.

		FY 94 AMDF PRICE	FY 90-94 TOTAL COST TO REBUILD/ OVERHAUL	FY 90-94 QTY COMPLETED	AVG COST TO REBUILD/ OVERHAUL
CLK 5YD					
FIVE YEAR DEPOT SECONDARY ITEM MAINTENANCE - REBUILDS/OVERHAULS					
COST DRIVERS					
NSN	NOMENCLATURE				
		NO DATA AVAILABLE			

The following list shows the FY 90-94 Secondary Item - Repairs Cost Drivers recorded in MFM. These five year Cost Drivers were revised from previous years' reports, see Appendix A, Section 13 for further explanation. AVG COST TO REPAIR is calculated by dividing the costs in FY 90-94 TOTAL COST TO REPAIR by FY 90-94 QTY COMPLETED.

		FY 94 AMDF PRICE	FY 90-94 TOTAL COST TO REPAIR	FY 90-94 QTY COMPLETED	AVG COST TO REPAIR
CLK 5YD					
FIVE YEAR DEPOT SECONDARY ITEM MAINTENANCE - REPAIRS					
COST DRIVERS					
NSN	NOMENCLATURE				
		NO DATA AVAILABLE			

CHOOSE A VOLUME FOR MORE SYSTEMS

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